

**WHAT IS CLAIMED IS:**

1. A method in a network device for providing access to network device resources, comprising the steps of:

loading user resource access information including process resource access information associated with a process;

5                   executing a process in the network device wherein said process accesses network device resources;

checking the process resource access information when the process attempts to access a specified network device resource to determine if the access of the specified network device resource by the process is permitted;

10                   allowing the process to access the specified network device resource if access permission is indicated; and

denying the process access to the specified network device resource if access permission is not indicated.

2. The method of providing access of claim 1, where said network device is an Internet appliance.

3. The method of providing access of claim 2, where said specified network device resource includes network access.

4. The method of providing access of claim 2, where said specified network device resource includes email.

5. The method of providing access of claim 2, where said specified network device resources include HTML files.

6. The method of providing access of claim 1, where said network device is a web server.

7. The method of providing access of claim 6, where said specified network device resource includes HTML files.
8. The method of providing access of claim 6, where said specified network device resource includes system files.
9. The method of providing access of claim 1, where said process is a web server process.
10. The method of providing access of claim 1, where said process is an email process.

11. A network device including a system for providing access to network device resources comprising;

a network device processor for executing a process;

a network device resource accessed by the network device processor when executing the process;

user resource access data associated with the process representing resource access permissions;

wherein before said network device processor accesses said network device resource, the network device processor refers to the user resource access data associated with the process to determine if the process has permission to access the network device resource.

12. The network device of claim 11, wherein said network device is an Internet appliance.

13. The network device of claim 12, wherein said network device resource includes email.

14. The network device of claim 12, wherein said network device resource includes network access.

15. The network device of claim 11, wherein said network device is a web server.

16. The network device of claim 15, wherein said network device resource includes network access.

17. The network device of claim 15, wherein said network device resource includes HTML files.

18. The network device of claim 15, wherein said network device resource include system files.

19. The network device of claim 11, wherein said process is an email process.

20. The network device of claim 11, wherein said process is a web server process.